

In the Claims:

In accordance with 37 C.F.R. § 1.21, please substitute for claim 22 the following rewritten versions of the same claim, as amended. The changes are shown explicitly in the attached "Versions with Markings to Show Changes Made."

22
22. (Amended) A orthodontic remedy comprising administering, multiple times or continuously, an amount of parathyroid hormone or of a parathyroid hormone derivative that has the same biological effect as full length parathyroid hormone, that results in an increase in tooth movement in a subject in need thereof.

Please add the following new claims:

43. (New) The method of claim 22 where said parathyroid hormone derivative is selected from the group consisting of a peptide fragment of parathyroid hormone: a peptide constructed by partly substituting at least one amino acid constituting parathyroid hormone per se or a peptide fragment thereof by another amino acid; a peptide constructed by partly deleting one or more amino acids constituting parathyroid hormone per se or a peptide fragment thereof; and a peptide constructed by adding one or more amino acids to parathyroid hormone per se or a peptide fragment thereof, each having the same biological effect as full length parathyroid hormone.

43
44. (New) The method of claim 43 where said parathyroid hormone derivative is substituted parathyroid hormone from the group consisting of parathyroid hormone substituted at amino acid 8 with leucine or norleucine, parathyroid hormone substituted at amino acid 18 with leucine or norleucine, parathyroid hormone substituted at amino acid 34 with tyrosine.

45. (New) The method of claim 43 where said parathyroid hormone derivative is a peptide fragment from the group consisting of human parathyroid hormone (1-34), (1-37), (1-38), and (1-64).

46. (New) The method of claim 45 where said peptide fragment is a substituted is a substituted peptide fragment from the group consisting of a peptide fragment substituted at amino acid 8 with leucine or norleucine, a peptide fragment substituted at amino acid 18 with leucine or norleucine, a peptide fragment substituted at amino acid 34 with tyrosine.

47. (New) The method according to claim 22 wherein the parathyroid hormone is administered in a preparation comprising a sustained release base.

48. (New) The method according to claim 47 wherein said sustained release base is selected from the group consisting of collagen pellets, polylactic acid bases, hydroxyapatite cement, and alginic acid gel.

49. (New) The method according to claim 22 wherein said parathyroid hormone is administered systemically.

50. (New) The method according to claim 49 wherein parathyroid hormone is administered in a preparation comprising polyethylene glycol.
